



Project	Catalog #
Distributor	Type
Prepared by	Date



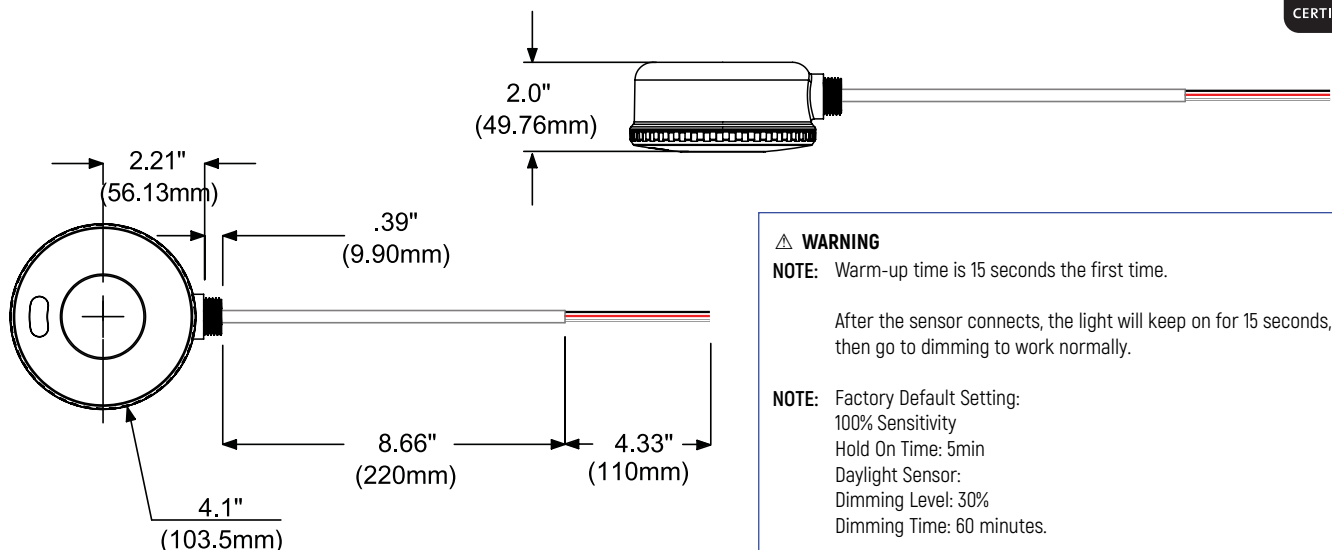
Bi-Level High Bay Microwave Sensor

T1-SS12A-MIC-BI-IP65

The **T1-SS12A-MIC-BI-IP65** is a microwave (MIC) sensor that mounts in an outdoor lighting fixture to provide multi-level control based on motion and/or ambient light. It controls 0-10VDC LED drivers or dimming ballasts and is rated for wet and cold locations (IP65). All control parameters are configurable via a wireless remote capable of storing and transmitting sensor profiles.

SPECS

Operating Voltage	120/277 VAC, 50Hz/60Hz	Detection Radius	Max 26.2ft.(8m)
Maximum Load	Resistive/Halogen - 800W@120V / 1200W@277V Fluorescent Ballast/CFL - 600W@120V / 1200W@277V Electronic Ballast (LED) - 600VA@120V / 1200VA@277V	Detection Angle	360°
HF System	5.8GHz CW	Mounting Height	Max 50ft. (15m)
Dim Control Output	0-10V, max. 25mA Sinking Current	Remote Range	33ft.(10m) indoor, no backlight
		Time Setting	10sec.-60min. (adjustable)
		Light-Control	10-2000Lux (adjustable)
		Humidity	Max. 95% RH
		Temperature	-40°F ~ +158°F (-40°C ~ +70°C)
		Warranty	Five Year Warranty



⚠ WARNING

NOTE: Warm-up time is 15 seconds the first time.

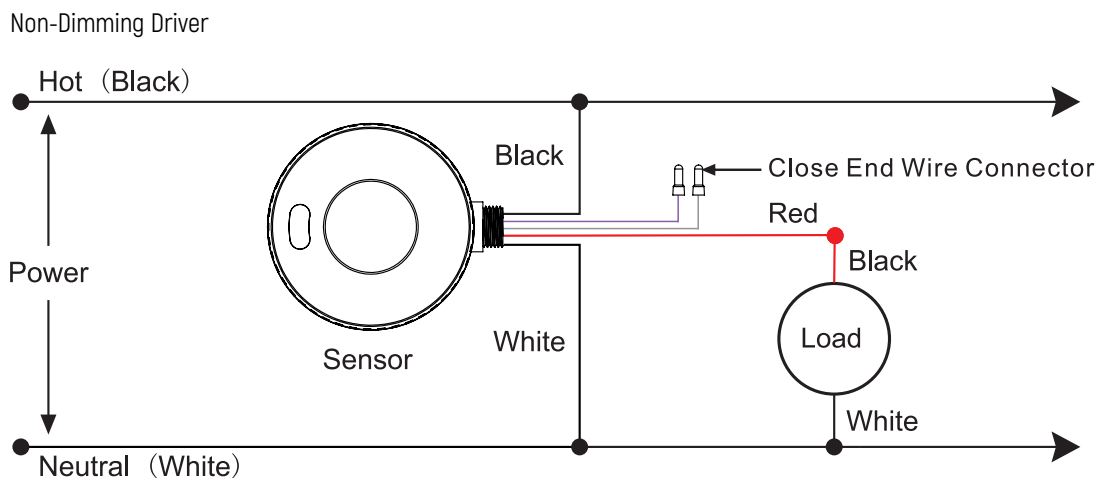
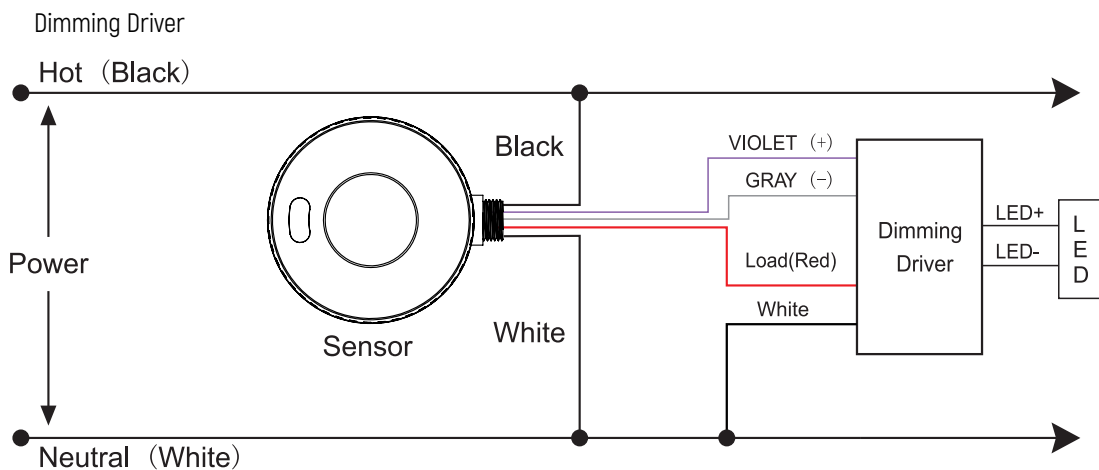
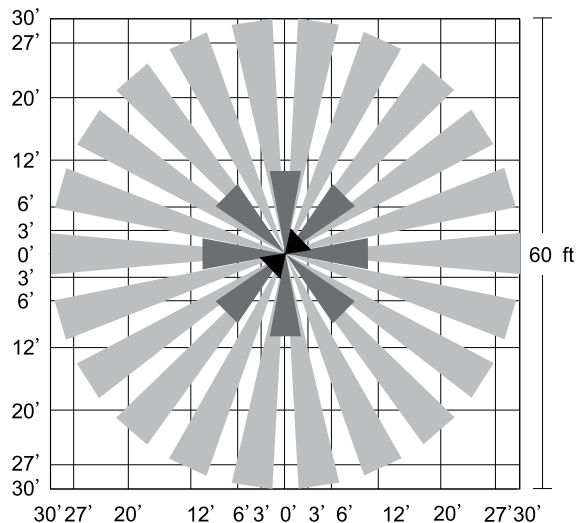
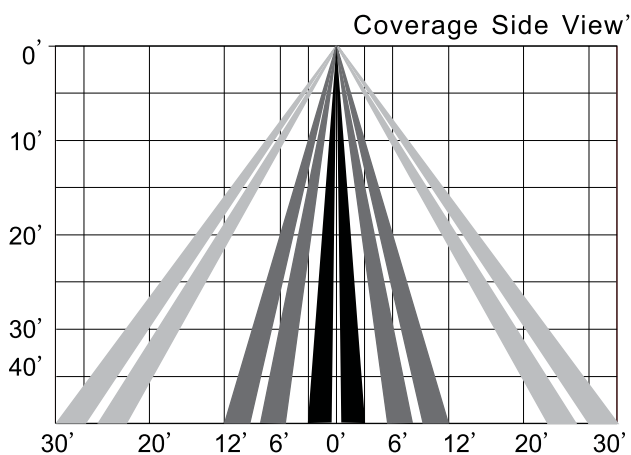
After the sensor connects, the light will keep on for 15 seconds, then go to dimming to work normally.

NOTE: Factory Default Setting:

100% Sensitivity
Hold On Time: 5min
Daylight Sensor:
Dimming Level: 30%
Dimming Time: 60 minutes.

NOTE: The LED light will blink as a confirmation that the setting has been changed on the DIP switch.

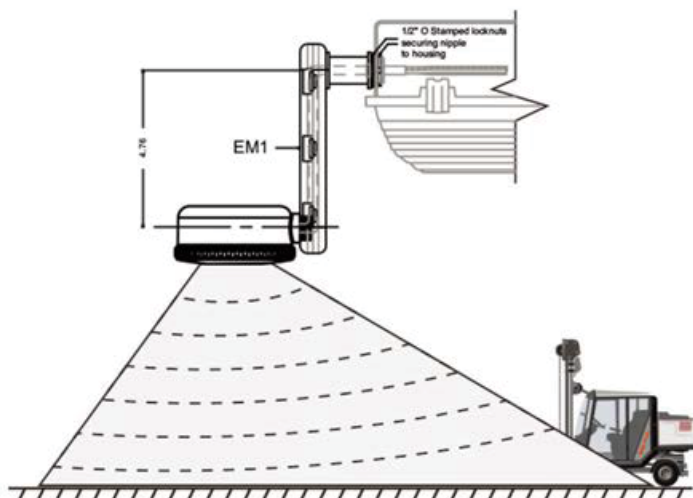
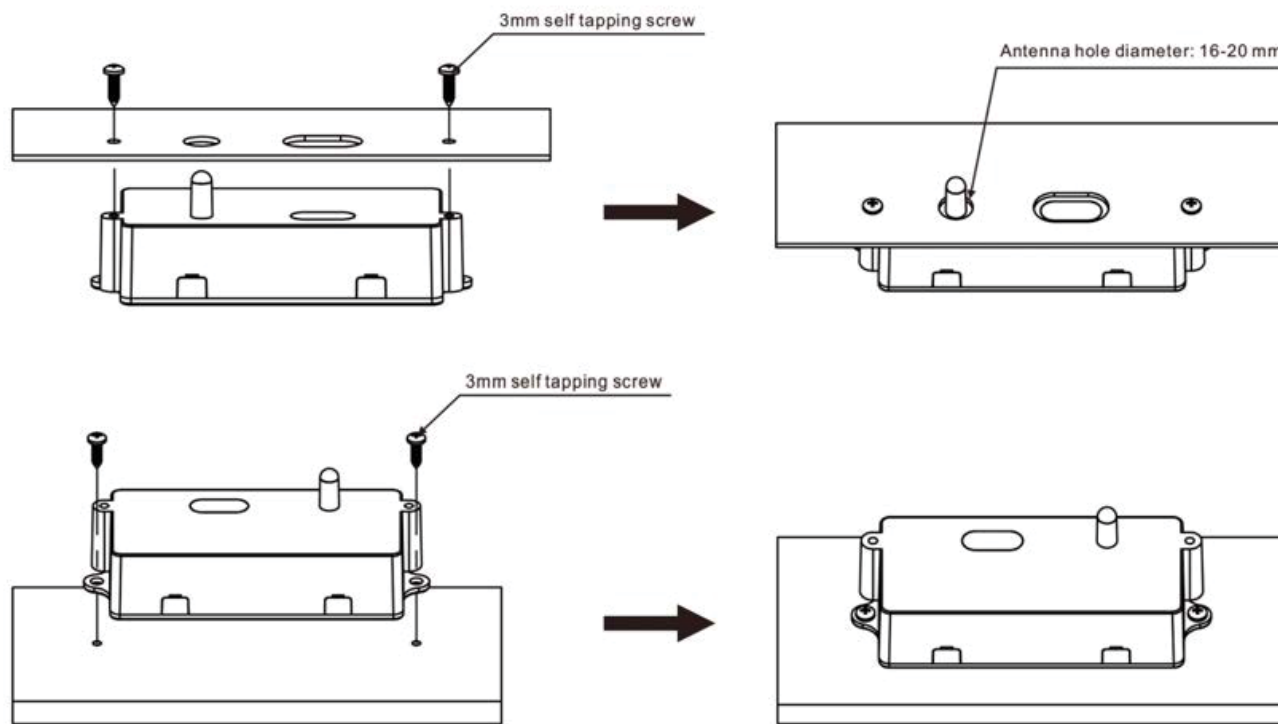
DIMENSIONS



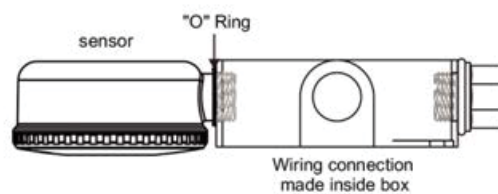
Bi-Level High Bay Microwave Sensor

T1-SS12A-MIC-BI-IP65

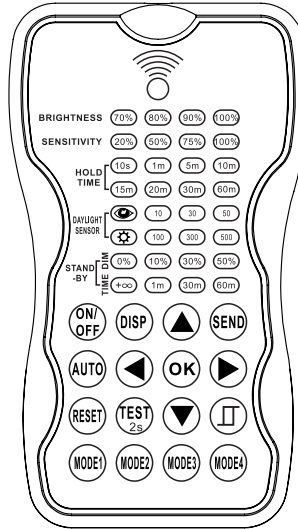
INSTALLATION























Mounting Direct to J-box



MOUNTING



KEY	FUNCTION	KEY	FUNCTION
	Press the on/off button, the light goes to permanent on or permanent off mode, the sensor is locked, MUST Press "AUTO" to quit from this mode.		Press "Auto" button, the sensors start to work automatically and all parameters remain the same as the latest status in auto mode.
	Display current parameters		The button "Test" is for testing purpose sensitivity only. the sensor goes to test mode (hold time is only 2s) automatically after commissioning, meanwhile the stand-by period and daylight sensor are disabled. Press "AUTO" to quit from this mode.
	upload the selected parameters to sensors		When the light level exceeds this setting, the lights will turn off even when the space is occupied. Once the light level exceeds this setting, the sensor will wait and monitor for 1 mins in order to confirm the light level increase is not temporary before forcing the lights to go off. When light level goes below the settings, the light will turn on even without motion detection after 1min. This feature is disabled by default, if want to open this setting, just press  , choose daylight sensor setpoint on/off.
	Enter in the setting condition and navigate to UP and Down		
	Navigate to Right and Left		
	Confirm selected parameters and saving		
	Default settings: <div> <div>100% 100%</div> <div>5m </div> <div>30% 60m</div> </div>	   	Four modes with existing parameters which are available to be updated and saved in Modes
BRIGHTNESS	Adjust the light brightness during hold time.	DAYLIGHT SENSOR	Select  /10LUX/30LUX/50LUX/  threshold for sensor to turn light fixture ON. Select  , current surrounding lux value as daylight lux threshold, select  , the built-in daylight sensor stops working, and all motions detected could turn the light fixture on, no matter how bright the natural light is.
SENSITIVITY	Adjust sensor sensitivity		
HOLD TIME	The time of light fixture remains at programmed 70%/80%/100% level after motion is not detected	STAND-BY DIM	Select the stand-by dimming level at 0%/10%/30%/ 50%; Note: "0%" means on /off control;
STAND-BY TIME	Select stand-by period at 1min/30min / 60min/+∞; Note: "+∞" means bi-level dimming control, fixture never switches off.		

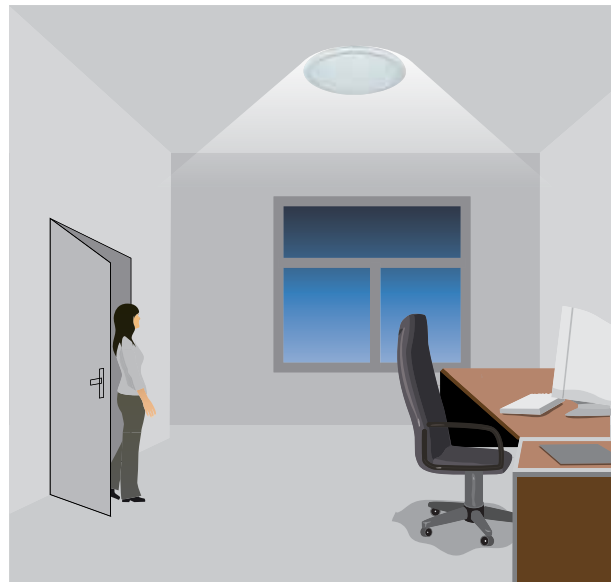
Bi-Level High Bay Microwave Sensor

T1-SS12A-MIC-BI-IP65

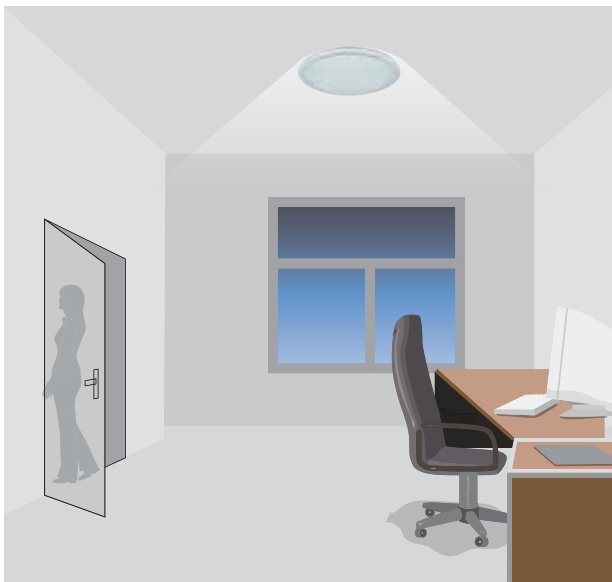
The microwave sensor offers 3 levels of light dimming controls: 10%, 30% 50%, adjustable motion hold-time and standby time, daylight threshold settings, and detection range options.



The light will not turn on with sufficient ambient light even with the presence of motion.



With insufficient ambient light, the light will turn on with the presence of motion.



The light will dim to a set dim level (10%, 30% and 50%) in the absence of motion.



The light will turn off when the standby time lapses.